

SECTION OF HEALTH SERVICES RESEARCH



SECTION CHIEF

Laura Petersen, M.D., M.P.H.

The (HSR&D) Center for Innovations in Quality, Effectiveness and Safety (IQuEst) is the largest center for health services research in the southwest and has been continuously funded since 1990, providing strong scientific leadership and institutional infrastructure dedicated to a model of embedded health system research. In the last decade, the number of funded investigators has grown over 200%, from 17 to 55 core members and there have been 34 academic promotions among core faculty. Moreover, total grant funding has more than doubled, with over \$21.5 million in research funding for FY19. We have a 20-year tradition of conducting research in partnership with the health care delivery system and responding to its needs, making us pioneers in the execution of the learning health care system model. The IQuEst mission, *“Improving health and well-being through innovations in health care delivery”*, emphasizes our commitment to transformative and innovative research. Our goals of innovation, implementation, and mentorship support our mission and vision.

IQuEst is ideally poised to contribute to making care more accessible, safer, and more patient-centered with innovative research, rapid implementation of evidence, novel methodologies that match the complexity of problems under study, solid partnerships that are built on decades of work, key stakeholder engagement, career development of future scientists, and infrastructure to promote a learning health care system within Baylor College of Medicine. Please join in a review of our achievements and recognition received during 2019.

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A handwritten signature in black ink that reads "Laura Petersen".

Professor of Medicine, Chief, Section of Health Services Research BCM
MEDVAMC Associate Chief of Staff, Research; Director IQuEst

HIGHLIGHTS

New Funding

- Impact of Team Configuration and team Stability on Primary Care Quality (AHRQ R01); PI: Sylvia Hysong (\$1.58 million)
- Improving Diagnosis in Emergency and Acute Care: A Learning Laboratory (AHRQ R18); PI: Hardeep Singh (\$2.48 million)
- Safer Dx Guide for Organizational Risk Assessment to Improve Diagnostic Safety (Gordon and Betty Moore Foundation); PI: Hardeep Singh (\$300,000)
- Southeast Texas Geriatric Workforce Enhancement Program (HRSA); PI: Aanand Naik (\$3.75 million)
- Reducing Use of Antibiotics without Prescription among Outpatients in a Safety Net Healthcare System (AHRQ R01); PI: Barbara Trautner/Grigoryan (\$2.5 million)
- Effectiveness of Healthy Sleep Habits for Hospitalized Older Adults to Optimize Rehabilitation

(NINR R01); PI: Sara Nowakowski (\$2.71 million)

- Preventing Persistent Post-Surgical Pain and Dysfunction in At-Risk Veterans: Effect of a Brief Behavioral Intervention (National Institute of Nursing Research R01); Co-PI: Lilian Dindo (\$1.8 million)
- Leading Healthcare Improvement: Leadership Training for Applying Improvement Strategies (VA QUERI); PI: Kyler Godwin (\$150,000)

New Collaborations

- **SHARE:** Surgical Health Services Academy for Research & Education
- **ICTR:** Explorations in big data; KL2; Informatics
- **BSLMC:** Developing an infrastructure of Quality Improvement

Awards

- **Dr. Barbara Trautner:** Robertson Presidential Award for Excellence in Education
- **Dr. Sara Nowakowski:** Society of Behavioral Sleep Medicine Arthur J. Spielman Early Career Distinguished Achievement Award
- **Dr. Ashley Meyer:** 2nd Annual Early Career IQuEST Faculty Research Award
- **Dr. Lilian Dindo:** IQuEST Outstanding Faculty Educator
- **Dr. Kyler Godwin:** IQuEST Outstanding Faculty Educator

Education Offerings

- TRAP course: (Jessica Davila, LeChauncy Woodard)
- QI/PS: Quality Improvement and Patient Safety (**Kyler Godwin**)
- LHI: Leading Healthcare Improvement (**Kyler Godwin**)
- CRQS: Chief Residency in Quality & Safety (**Naik, Horstman**)

Space Renovation

- The new IQuEST space will be revealed in 2020!

Wellness

- Walking Club
- Parent's Support Group
- Brown Bag sharing sessions
- Ice Cream Socials
- Holiday parties
- Pancake Cook-offs

FACULTY

Section Chief

- Laura Petersen, M.D.

Primary Faculty

- Amber Amspoker, Ph.D.
- Israel Christie, Ph.D.
- Jessica Davila, Ph.D.
- Traber Giardina, Ph.D.
- Kyler Godwin, Ph.D.
- Vivian Ho, Ph.D.
- Molly Horstman, M.D.
- Sylvia Hysong, Ph.D.
- Jennifer Kramer, Ph.D.
- Lindsey Martin, Ph.D.
- Ashley Meyer, Ph.D.
- Whitney Mills, Ph.D.

- Daniel Murphy, M.D.
- Aanand Naik, M.D.
- Nancy Petersen, Ph.D.
- Peter Richardson, Ph.D.
- Shubhada Sansgiry, M.D.
- Hardeep Singh, Ph.D.
- Richard Street Jr., Ph.D.
- Barbara Trautner, M.D.
- Annette Walder
- Donna White, Ph.D.
- Lechauncy Woodard, M.D.

Secondary Faculty

- Mark Kunik, M.D.
- Jeff Cully, Ph.D.
- Nader Massarweh, M.D.

RESEARCH ACTIVITIES

Cully, Jeffery, M.D.

- Effectiveness and Implementation of Brief Cognitive Behavioral Therapy in CBOCs; HSR&D; \$869,333

Davila, Jessica, Ph.D.

- A Multi-Level Intervention to Improve Cancer Care for Hepatocellular Carcinoma; HSR&D; \$720,909

Godwin, Kyler, Ph.D.

- Leading Healthcare Improvement: Leadership Training for Applying Improvement Strategies; QUERI; \$150,000

Hysong, Sylvia, Ph.D.

- Impact of Team Configuration and Team Stability on Primary Care Quality; R01: Agency for Healthcare Research and Quality; \$1,580,000

Kanwal, Fasiha, M.D.

- Patient Centered Care for Individuals with Advanced Liver Disease; HSR&D IIR; \$989,057
- Risk Stratification for Early Detection of Liver Cancer; U01 National Cancer Institute; \$4,398,981

Lindsay, Jan, Ph.D.

- Serving Rural Veterans Where They Live: Implementing VA Video to Home for Mental Health Treatment; Office of Rural Health; \$319,000

Massarweh, Nader, M.D.

- Comparative Effectiveness of Alternative Strategies for Monitoring Hospital Surgical Performance; HSR&D; \$96,499

Petersen, Laura, M.D.

- Improving the Measurement of VA Facility Performance to Foster a Learning Healthcare System; HSR&D; \$554,181
- Center for Innovations in Quality, Effectiveness and Safety (renewal); HSR&D COIN; \$4,000,000

Singh, Hardeep, M.D.

- Patient Safety Center of Inquiry to Improve Outpatient Safety through Effective Electronic Communication; VA National Center for Patient Safety; \$579,200
- The Safer DX Learning Lab: A Demonstration Project for Improving Diagnostic Safety; Gordon and Betty Moore Foundation; \$3,526,400

Trautner, Barbara, M.D.

- Less is More: Improving Antimicrobial Stewardship for Asymptomatic Bacteriuria; HSR&D; \$173,695
- Creating an Outpatient-Specific Antibigram to Guide Treatment for Urinary Tract Infections; R03: National Institute of Allergy and Infectious Diseases; \$99,844

Virani, Salim, M.D.

- Determining and Targeting Reasons for Low Statin Use to Improve Guideline-Concordant Statin Therapy in High-Risk Patients; HSR&D; \$142,614

HONORS AND AWARDS

Amspoker, Amber, Ph.D.

- Journal Editorial Board: *Clinical Gerontologist*
- Journal Editorial Board: *Journal of Clinical Psychology in Medical Settings*

Davila, Jessica, Ph.D.

- Director, Design and Analysis Program, Center for AIDS Research, BCM
- Editorial Board, *World Journal of Gastroenterology*
- Editorial Board, *World Journal of Clinical Oncology*

Godwin, Kyler, Ph.D.

- BCM, Master Facilitator, Team Launch
- Module Leader, Team Launch, Launch Pad Module 3, Applying Teamwork Tools, Part 2: Coaching, Conflict, Capabilities and Conditions
- BCM, Co-Module Leader, Team Launch, Launch Pad Module 4, Putting it all together!
- Vice Chair Group for Quality Improvement and Innovation, Evaluation Specialist
- Co-Director –Advanced Fellows National Curriculum Workgroup, Office of Academic Affiliations, United States Department of Veterans Affairs
- Co-Leader, Team Projects, Healthcare Quality Track, Quality Enhancement Program, Baylor College of Medicine

- Team Member, Quality Enhancement Program Committee, Baylor College of Medicine
- Co-Director, VA Quality Scholars Coordinating Center, Center for Innovations in Quality, Effectiveness and Safety (IQuEST), Michael E. DeBakey VA Medical Center
- Co-Director, Health Professions Education Evaluation and Research Fellowship, IQuEST, Michael E. DeBakey VA Medical Center
- Associate Director, Education Core, IQuEST, Michael E. DeBakey VA Medical Center

Horstman, Molly, M.D.

- BCM, GME Faculty Workgroup in Continuous Quality Improvement
- Society of Hospital Medicine, Committee Member, Performance Measurement and Reporting Committee

Hysong, Sylvia, Ph.D.

- Subject Matter Expert. U.S. Department of Veterans Affairs Modernization, Functional Review Panel
- Subject Matter Expert. VHA Physician Burnout Research Summit
- Associate Director, VA Quality Scholars Coordinating Center
- VA Scientific Merit Review Board
- Subject Matter Expert, VA Pay-for-Performance Initiative
- Steering Committee Member, International Audit and Feedback Meta-Laboratories
- Norton Rose Fulbright Faculty Excellence Award – Educational Leadership

Martin, Lindsey, Ph.D.

- HSR&D Veteran Engagement Workgroup, Department of Veterans Affairs

Meyer, Ashley, Ph.D.

- Co-Chair, The Society to Improve Diagnosis in Medicine’s Research Committee

Murphy, Daniel, M.D.

- Medical Director, General Internal Medicine at Baylor Clinic
- Director, Baylor St. Luke’s Medical Group Board of Directors
- Baylor College of Medicine Quality Improvement and Patient Safety, abstract review

Naik, Aanand, M.D.

- Associate Editor & Editorial Board Member: *Clinical Gerontology*
- Standing member, Patient-Centered Outcomes Research Institute
- BCM, Longitudinal Ambulatory Care Education Steering Committee
- BCM Faculty Committee on Medical Student Curriculum Standing Committee Member
- BCM Faculty Standing Committee on Research Member
- Texas Medical Center Health Policy Institute
- Vice Chair of Quality Improvement and Innovations, Alkek Department of Medicine, Baylor College of Medicine
- Director, Coordinating Center for VA Quality Scholars Program

Petersen, Laura, M.D.

- Associate Chief of Staff for Research, Michael E. DeBakey VA Medical Center

- Chair, Internal Advisory Committee, CPRIT Training Program, “Cancer Prevention Post-Graduate Training Program in Integrative Epidemiology
- Co-Chair, Texas Medical Center Clinical Research Design Team
- Health Policy Scholar, Center for Medical Ethics and Health Policy, BCM
- Chief, Health Services Research Section, Department of Medicine, Baylor College of Medicine
- VA HSR&D Quality Enhancement Research Initiative (QUERI) Strategic Advisory Committee
- Leader, MEDVAMC Research Value Stream
- Invited Technical Expert, Evidence-based Synthesis Program (ESP), “Pay for Performance and Veteran Care: Effects, Implementations, and Unintended Consequences”
- VA Under Secretary’s Award for Outstanding Achievement in Health Services Research, 2018

Petersen, Nancy, Ph.D.

- Chair, American Statistical Association, Committee on Membership Recruitment and Retention
- Reviewer for HSRD/QUERI National Conference

Sansgiry, Shubhada, Ph.D.

- Editorial Board Member, Journal of Pharmaceutical Analytics and Insights

Singh, Hardeep, M.D.

- Appointed to the Harris County Medical Society Health Information Technology (HIT) Committee
- Nominated Member, National Quality Forum Improving Diagnostic Accuracy Committee
- Co-Chair, National Quality Forum Committee for Identification and Prioritization of HIT Patient Safety Measures
- Associate Editor, *Diagnosis*
- Co-Chair, Closing the Referral Loop Expert Panel, National Patient Safety, Foundation – Institute for Healthcare Improvement, Boston, MA
- Patient Safety Expert of the Year 2017 – Texas Award, *Corporate Vision Magazine*
- HHS Appointed Member, Clinical Laboratory Improvement Advisory Committee
- Lead Research Consultant, VHA EPRP Measurement of Communication of Test Results Initiative
- Editorial Committee Board, International Journal for Quality in Health Care
- Editorial Advisory Board, The Joint Commission Journal on Quality and Patient Safety
- International Review Panel for India Alliance Fellowship, The Wellcome Trust/DBT India Alliance

Trautner, Barbara, M.D.

- Ben and Margaret Love Foundation Bobby Alford Award for Academic Clinical Professionalism, BCM, Director of Clinical Research, Department of Surgery, BCM
- Invited member of SHEA Public Policy and Government Affairs Committee
- Chair of Review Panel for 2017 Healthcare Innovations Seed Grants, Department of Medicine
- Norton Rose Fulbright Faculty Excellence Award, Enduring Educational Materials
- Editorial Board Member, *Journal of Surgical Research*

White, Donna, Ph.D.

- Texas Medical Center Digestive Diseases Center at Baylor College of Medicine, Member (elected), NIDDK P30 site
- Dan L Duncan Comprehensive Cancer Center at Baylor College of Medicine, Member (elected), NCI P30 site
- Center Translational Research in Inflammatory Disease at the Michael E. DeBakey VA Medical Center, Associate Member (elected)

Woodard, Lechauncy, M.D.

- Elected BCM, Faculty Senate Secretary
- BCM, Academic Council Representative
- Deputy Editor, *Journal of General Internal Medicine*